

ABSTRACT

A backup power supply for a restraint control module is disclosed that includes a main power source that is connected to a backup power source charging circuit. A boost converter control and driver circuit is connected with the main power source and the backup power source such that the boost converter control and driver circuit controls the charging of the backup power source with the main power source during normal operation. A backup power supply control and driver circuit is connected with a backup power supply switching device. The backup power supply control and driver circuit switches the source of power from the main power source to the backup power source when the backup power supply control circuit senses a loss of power from the main power source.